

Executive Summary Report

SMOG CHECK Statewide

March 2011

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	1,030,253	127,040	12.33%
Total	1,188,366	163,580	13.77%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	890,947	86.48%	139,306	13.52%
Total	1,007,671	84.79%	180,695	15.21%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	552,348	86.01%	89,871	13.99%
Total	631,317	84.89%	112,343	15.11%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	14,650	1.42%
All Emissions	63,244	6.14%
All Visual	15,405	1.50%
All Functional	80,812	7.84%
OBDII	53,483	5.19%
Overall	127,040	12.33%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	381,518	343,404
Directed Vehicles	260,701	208,944
Total	642,219	552,348

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	61,885	53,624
Directed Vehicles	21,409	15,822
Total	83,294	69,446

7. Number of Stations by Type/Privilege and Program Area

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	3,553	278	533	26	0	4,390
Test Only	2,452	43	26	1	0	2,522
Basic Area Dealer	0	1	104	0	0	105
Gold Shield	482	27	45	79	0	633
Business Fleet	3	0	0	0	0	3
Permanent Fleet Registered	30	1	4	0	0	35
Referee	36	0	6	1	0	43
Government Fleet	247	9	37	2	0	295
Unknown Type	1	0	0	0	0	1
Total	6,804	359	755	109	0	8,027

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	823,834	103,907	12.61%	11,618	1.41%
Partially Enhanced	54,533	7,886	14.46%	887	1.63%
Basic	92,582	9,294	10.04%	1,293	1.40%
Change of Ownership	6,523	914	14.01%	187	2.87%
No Program	4	0	0.00%	0	0.00%
Unknown Program	52,777	5,039	9.55%	665	1.26%
Total Program Area	1,030,253	127,040	12.33%	14,650	1.42%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	642,219	88,211	13.74%	10,475	1.63%
Regular	293,223	24,796	8.46%	2,454	0.84%
Basic Area Dealer	6,127	271	4.42%	24	0.39%
Gold Shield in Enhanced Area	65,243	10,651	16.33%	1,224	1.88%
Gold Shield in Basic Area	12,028	1,658	13.78%	264	2.19%
Gold Shield in COO Area	6,023	842	13.98%	140	2.32%
Business Fleet	6	0	0.00%	0	0.00%
Permanent Fleet Registered	66	7	10.61%	0	0.00%
Referee	411	195	47.45%	32	7.79%
Government Fleet	4,906	409	8.34%	37	0.75%
Unknown Privilege	1	0	0.00%	0	0.00%
Total	1,030,253	127,040	12.33%	14,650	1.42%

10. Initial Tests by Vehicle Model Year

Model Year	Initial Tests	Failed Overall	Percent (%) Failed Overall	Percent (%) Failed Emissions	Percent (%) Failed Gross Polluters	Percent (%) Failed Functional	Percent (%) Failed Visual	Percent (%) Failed OBDII
MY-1973	1	1	100.00%	0.00%	0.00%	100.00%	100.00%	0.00%
MY-1976	1,152	309	26.82%	17.01%	6.16%	15.71%	6.94%	0.00%
MY-1977	1,582	430	27.18%	19.91%	7.90%	15.80%	8.22%	0.00%
MY-1978	1,768	478	27.04%	18.72%	8.26%	14.76%	7.92%	0.00%
MY-1979	1,935	562	29.04%	20.98%	8.06%	15.76%	7.91%	0.00%
MY-1980	1,179	319	27.06%	19.93%	8.65%	14.50%	8.31%	0.00%
MY-1981	1,365	418	30.62%	24.91%	9.52%	15.75%	8.35%	0.00%
MY-1982	1,567	472	30.12%	23.74%	9.76%	15.38%	8.30%	0.00%
MY-1983	2,121	656	30.93%	24.47%	9.29%	15.42%	8.20%	0.00%
MY-1984	3,784	1,212	32.03%	26.37%	10.02%	15.64%	6.90%	0.00%
MY-1985	5,041	1,620	32.14%	26.38%	9.70%	14.92%	7.18%	0.00%
MY-1986	6,963	2,072	29.76%	23.50%	8.50%	15.08%	5.97%	0.00%
MY-1987	8,199	2,428	29.61%	23.97%	7.50%	13.75%	5.59%	0.00%
MY-1988	10,496	3,000	28.58%	22.84%	7.19%	13.42%	4.98%	0.00%
MY-1989	14,132	3,895	27.56%	21.42%	6.37%	13.30%	4.61%	0.00%
MY-1990	17,780	4,707	26.47%	20.97%	5.55%	12.54%	3.99%	0.00%
MY-1991	21,044	5,423	25.77%	20.57%	5.40%	11.57%	3.40%	0.00%
MY-1992	21,778	5,451	25.03%	19.83%	4.84%	10.57%	3.33%	0.00%
MY-1993	26,114	7,071	27.08%	22.23%	4.46%	10.58%	3.24%	0.00%
MY-1994	31,661	7,679	24.25%	18.83%	3.52%	10.02%	3.23%	0.00%
MY-1995	44,633	9,317	20.87%	16.11%	2.79%	8.13%	2.62%	0.00%
MY-1996	33,625	6,659	19.80%	9.62%	1.60%	12.81%	2.01%	11.74%
MY-1997	59,099	9,099	15.40%	6.62%	1.09%	10.42%	1.54%	9.58%
MY-1998	49,515	7,082	14.30%	5.58%	0.97%	10.15%	1.46%	9.54%
MY-1999	82,110	8,246	10.04%	2.91%	0.49%	7.68%	1.16%	7.28%
MY-2000	54,091	6,168	11.40%	2.76%	0.59%	9.28%	1.11%	9.01%
MY-2001	114,300	11,259	9.85%	1.25%	0.24%	8.79%	0.77%	8.66%
MY-2002	46,773	4,805	10.27%	1.53%	0.32%	9.12%	0.88%	9.05%
MY-2003	125,695	7,466	5.94%	0.68%	0.13%	5.34%	0.46%	5.26%
MY-2004	38,800	2,393	6.17%	0.82%	0.17%	5.46%	0.56%	5.40%
MY-2005	138,936	4,991	3.59%	0.31%	0.06%	3.19%	0.33%	3.13%
MY-2006	20,589	637	3.09%	0.74%	0.08%	2.46%	0.41%	2.40%
MY-2007	21,444	427	1.99%	0.30%	0.04%	1.76%	0.14%	1.69%
MY-2008	9,411	152	1.62%	0.50%	0.02%	1.47%	0.07%	1.43%
MY-2009	4,285	53	1.24%	0.56%	0.00%	1.17%	0.05%	1.12%
MY-2010	5,663	62	1.09%	0.12%	0.00%	0.99%	0.07%	0.97%
MY-2011	1,621	21	1.30%	0.43%	0.06%	0.93%	0.25%	0.93%
MY-2012	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
All Model Years	1,030,253	127,040	12.33%	6.14%	1.42%	7.84%	1.50%	5.19%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	462
Certificate of Non Compliance	0
Parts Cost	289
Hardship Extensions	0
Exempt Vehicle	39
Exempted by Directive	7
Parts Exemption	13
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	810

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	933
Stations Locked-Out at Least Once	363
Stations Conducted at Least One Test	7,094

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	10,101	6,004
EA	Gas Endorsement	10	0
EB	Both Endorsement	48	0
EB	Gas Endorsement	465	0
GU	Both Endorsement	20	0

14. Inspection Costs

	ASM Initial Test Count	Avg ASM Inspection Cost	TSI Initial Test Count	Avg TSI Inspection Cost	Total Initial Tests	Overall Average Inspection Cost
Test Only	550,661	47.30	77,339	48.24	628,000	47.41
Test and Repair	188,302	46.99	95,830	46.54	284,132	46.84
Test and Repair Dealer	42	60.31	5,663	51.89	5,705	51.95
Referee	167	30.00	57	30.00	224	30.00
Gold Shield in Enhanced Area	55,201	47.17	8,760	48.85	63,961	47.40
Gold Shield in Basic Area	540	61.84	11,149	40.29	11,689	41.29
Gold Shield in COO Area	1,082	53.22	4,718	54.15	5,800	53.98

15. Repair Costs

Repair Type	All Cost Ranges	Repair Count	Average Cost	(All Cost Ranges) Repair Count	(All Cost Ranges) Average Cost
Regular Repairs	\$1-50	5,803	23.35	21,589	260.51
	\$51-150	4,522	100.36		
	\$151-250	3,347	200.54		
	\$251-450	4,339	340.36		
	Over \$450	3,578	806.83		
CAP Repairs	\$1-50	108	22.48	4,408	431.52
	\$51-150	179	101.29		
	\$151-250	297	205.74		
	\$251-450	1,233	358.97		
	Over \$450	2,591	531.79		
Total Repairs	\$1-50	4,413	23.71	22,684	331.79
	\$51-150	3,917	100.50		
	\$151-250	3,199	201.64		
	\$251-450	5,007	344.87		
	Over \$450	6,148	757.35		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	4,149	431.52

17. Drill-Through

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	41	10	0	0	6	3	7	0
Acceleration Simulation Mode (ASM)	Basic	Test Only	50	9	1	1	2	6	4	1

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Change of Ownership	Referee	0	1	0	0	1	1	1	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	9	3	0	0	0	1	2	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	6	4	0	0	2	2	3	1
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	356	83	10	3	27	49	45	12
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	792	175	15	8	80	84	115	17
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	39,919	8,405	937	465	3,405	4,245	5,282	1,149
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	96	1	0	63	26	72	0
Acceleration Simulation Mode (ASM)	Enhanced	Referee	105	119	24	44	25	70	61	64
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	132,757	11,527	906	631	6,876	3,936	8,588	1,192
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	445,293	76,527	9,054	4,151	28,625	42,524	45,919	8,896
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	74	26	4	0	10	17	17	1
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	54	17	2	1	11	8	12	4
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	3,564	861	96	40	336	470	528	93
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	4	0	0	1	1	3	0
Acceleration Simulation Mode (ASM)	Partial	Referee	4	9	3	2	2	6	3	5
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	22,536	3,941	422	232	1,464	2,113	2,378	481
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	21	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Partial	Test Only	13,573	2,508	301	158	914	1,397	1,474	308
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in COO Area	36	5	1	0	4	1	5	0
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,633	344	44	33	150	172	222	65

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	271	31	1	57	195	81	4
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	11	11	0	4	3	4	7	4
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	14,152	1,222	133	87	645	519	834	166
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	14,907	2,184	326	157	912	1,210	1,327	297
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	8,450	1,359	226	95	525	468	928	265
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	185	27	3	5	14	7	21	6
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	1,369	274	51	21	119	97	197	48
Two Speed Idle (TSI)	Basic	Government Fleet	0	7	1	0	6	1	6	0
Two Speed Idle (TSI)	Basic	Referee	16	24	1	16	8	4	19	16
Two Speed Idle (TSI)	Basic	Test and Repair	53,547	5,667	755	348	2,578	1,728	4,184	746
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	4,155	213	23	14	103	51	156	29
Two Speed Idle (TSI)	Basic	Test Only	11,180	1,551	232	84	685	539	1,076	207
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	75	22	3	2	9	7	16	2
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	2,178	398	88	34	125	191	260	62
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	146	26	5	3	9	11	20	4
Two Speed Idle (TSI)	Change of Ownership	Referee	0	4	1	3	1	1	3	4
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	1,870	235	46	22	99	89	179	42
Two Speed Idle (TSI)	Change of Ownership	Test Only	1,060	203	44	19	59	91	130	41
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	574	70	8	11	32	21	51	15
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	588	71	8	9	31	21	45	15
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	5,470	568	70	40	329	145	431	80
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	18	2	0	10	6	13	1
Two Speed Idle (TSI)	Enhanced	Referee	21	11	3	3	5	4	6	4
Two Speed Idle (TSI)	Enhanced	Test and Repair	23,362	1,225	109	59	839	230	996	121
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	521	20	0	2	13	3	16	2
Two Speed Idle (TSI)	Enhanced	Test Only	54,816	4,447	471	218	2,882	1,029	3,428	451
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	44	6	1	1	4	1	5	0

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	50	4	2	0	2	2	3	0
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	403	56	14	3	26	21	35	7
Two Speed Idle (TSI)	Partial	Test and Repair	2,616	229	30	13	136	54	182	29
Two Speed Idle (TSI)	Partial	Test Only	1,415	146	12	10	88	32	102	23
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	422	65	12	7	30	21	43	15
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	1,010	132	21	12	68	38	103	19
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	413	37	7	2	19	17	27	7
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	11	2	0	9	2	9	0
Two Speed Idle (TSI)	Unknown Program	Test and Repair	5,604	451	53	45	256	113	351	74
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	547	11	1	0	10	1	10	0
Two Speed Idle (TSI)	Unknown Program	Test Only	3,739	254	34	23	142	76	178	40
UnKnown TestType	Basic	Gold Shield in Basic Area	253	23	0	2	16	23	16	7
UnKnown TestType	Basic	Gold Shield in COO Area	15	2	0	1	1	2	1	1
UnKnown TestType	Basic	Gold Shield in Enhanced Area	69	8	0	2	4	8	4	4
UnKnown TestType	Basic	Government Fleet	0	0	0	0	0	5	0	0
UnKnown TestType	Basic	Referee	6	2	0	2	1	2	1	2
UnKnown TestType	Basic	Test and Repair	1,895	90	0	15	71	96	71	23
UnKnown TestType	Basic	Test and Repair Dealer	314	14	0	3	9	14	9	5
UnKnown TestType	Basic	Test Only	303	14	0	3	10	15	10	5
UnKnown TestType	Change of Ownership	Gold Shield in COO Area	74	7	0	1	5	8	5	2
UnKnown TestType	Change of Ownership	Test and Repair	60	3	0	1	1	3	1	2
UnKnown TestType	Change of Ownership	Test Only	17	3	0	0	3	3	3	0
UnKnown TestType	Enhanced	Gold Shield in Basic Area	28	3	0	0	2	3	2	1
UnKnown TestType	Enhanced	Gold Shield in COO Area	42	1	0	0	1	2	1	0
UnKnown TestType	Enhanced	Gold Shield in Enhanced Area	825	58	0	10	42	64	42	17
UnKnown TestType	Enhanced	Government Fleet	0	1	0	0	1	38	1	0
UnKnown TestType	Enhanced	Permanent Fleet Registered	1	1	0	0	1	1	1	0
UnKnown TestType	Enhanced	Referee	13	6	0	5	1	8	1	6
UnKnown TestType	Enhanced	Test and Repair	3,207	145	0	16	106	212	106	45

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
UnKnown TestType	Enhanced	Test and Repair Dealer	31	1	0	0	1	2	1	0
UnKnown TestType	Enhanced	Test Only	5,139	322	0	53	230	376	230	102
UnKnown TestType	Partial	Gold Shield in Enhanced Area	160	11	0	0	9	12	9	2
UnKnown TestType	Partial	Referee	0	2	0	2	1	2	1	2
UnKnown TestType	Partial	Test and Repair	972	34	0	9	21	37	21	14
UnKnown TestType	Partial	Test Only	407	24	0	6	14	25	14	10
UnKnown TestType	Unknown Program	Gold Shield in Basic Area	21	1	0	0	1	1	1	0
UnKnown TestType	Unknown Program	Gold Shield in COO Area	72	3	0	0	2	3	2	1
UnKnown TestType	Unknown Program	Gold Shield in Enhanced Area	54	1	0	0	0	2	0	1
UnKnown TestType	Unknown Program	Government Fleet	0	0	0	0	0	22	0	0
UnKnown TestType	Unknown Program	Referee	20	5	0	4	0	5	0	5
UnKnown TestType	Unknown Program	Test and Repair	501	14	0	5	9	33	9	5
UnKnown TestType	Unknown Program	Test Only	440	15	0	2	11	34	11	5